

Mouse Protein Tyrosine Phosphatase Receptor Type C (CD45) ELISA Kit | CD45 elisa kit

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CATALOG #
AAA149911

REACTIVITY
Mouse

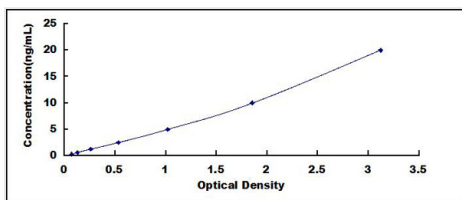
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type C (CD45); Mouse Protein Tyrosine Phosphatase Receptor Type C (CD45) ELISA Kit; PTPRC; PTPR-C; LCA; B220; GP180; LY5; T200; Leukocyte common antigen; CD45 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Tyrosine Phosphatase Receptor Type C (CD45). No significant cross-reactivity or interference between Protein Tyrosine Phosphatase Receptor Type C (CD45) and analogues was observed.
Sequence Length	1293
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Protein Tyrosine Phosphatase Receptor Type C (CD45) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Protein Tyrosine Phosphatase Receptor Type C (CD45) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD45 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Tyrosine Phosphatase Receptor Type C (CD45). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Tyrosine Phosphatase Receptor Type C (CD45). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Protein Tyrosine Phosphatase Receptor Type C (CD45), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Protein Tyrosine Phosphatase Receptor Type C (CD45) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CD45 elisa kit	Signal Transduction; Tumor Immunity; Infection Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	1375383927
UniProt Accession #	P06800
NCBI Official Full Name	Receptor-type tyrosine-protein phosphatase C
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	Ptprc
UniProt Synonym Gene Names	Ly-5
UniProt Entry Name	PTPRC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/protein-tyrosine-phosphatase-receptor-type-c-cd45/149911>